

POSITION DESCRIPTION (Please Read Instructions on the Back)

2. Reason for Submission <input type="checkbox"/> Redescription <input type="checkbox"/> Establishment <input checked="" type="checkbox"/> New <input type="checkbox"/> Other E (Show any positions replaced)				3. Service <input type="checkbox"/> Hdqtrs. <input checked="" type="checkbox"/> Field		4. Employing Office Location Orlando, FL		5. Duty Station ORLANDO FL		1. Agency Position No. NLO9341	
7. Fair Labor Standards Act <input checked="" type="checkbox"/> Exempt <input type="checkbox"/> Nonexempt				8. Financial Statements Required <input type="checkbox"/> Executive Personnel Financial Disclosure <input checked="" type="checkbox"/> Employment and Financial Interests				9. Subject to IA Action <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
10. Position Status <input checked="" type="checkbox"/> Competitive <input type="checkbox"/> Excepted (Specify in Remarks) <input type="checkbox"/> SES (Gen.) <input type="checkbox"/> SES (CR)				11. Position Is: <input type="checkbox"/> Supervisory <input type="checkbox"/> Managerial <input checked="" type="checkbox"/> Neither		12. Sensitivity <input type="checkbox"/> 1-Non-Sensitive <input checked="" type="checkbox"/> 2-Noncritical Sensitive <input type="checkbox"/> 3-Critical Sensitive <input type="checkbox"/> 4-Special Sensitive		13. Competitive Level Code 13-76			
15. Classified/Graded by Official Title of Position				Pay Plan		Occupational Code		Grade		Initials Date	
a. U.S. Office of Personnel Management											
b. Department, Agency or Establishment											
c. Second Level Review											
d. First Level Review SAFETY ENGINEER				6S		0803		13		lp	
e. Recommended by Supervisor or Initiating Office											
16. Organizational Title of Position (if different from official title)				17. Name of Employee (if vacant, specify)							

18. Department, Agency, or Establishment DEPARTMENT OF THE ARMY		c. Third Subdivision DIRECTORATE FOR SYSTEM INTEGRATION AND ASSURANCE (S)	
a. First Subdivision U.S. ARMY MATERIEL COMMAND		d. Fourth Subdivision SYSTEM ASSURANCE DIVISION (SAT) ED	
b. Second Subdivision SIMULATION, TRAINING & INSTRUMENTATION COMMAND		e. Fifth Subdivision	

19. Employee Review—This is an accurate description of the major duties and responsibilities of my position.

Signature of Employee (optional)

20. Supervisory Certification. I certify that this is an accurate statement of the major duties and responsibilities of this position and its organizational relationships, and that the position is necessary to carry out Government functions for which I am responsible. This certification is made with the knowledge that this information is to be used for statutory purposes relating to appointment and payment of public funds, and that false or misleading statements may constitute violations of such statutes or their implementing regulations.

a. Typed Name and Title of Immediate Supervisor THOMAS N. MAZZA ASSOCIATE DIRECTOR, SI&A		b. Typed Name and Title of Higher-Level Supervisor or Manager (optional)	
Signature	Date	Signature	Date
	9/7/94		

21. Classification/Job Grading Certification. I certify that this position has been classified/graded as required by Title 5, U.S. Code, in conformance with standards published by the U.S. Office of Personnel Management or, if no published standards apply directly, consistently with the most applicable published standards.

22. Position Classification Standards Used in Classifying/Grading Position
US OPM PCS, GS-803, Aug 81
US OPM GENERAL GRADE EVAL GUIDE FOR NON-SUPV PROFESSIONAL ENGRS, JUNE 71

Typed Name and Title of Official Taking Action LORRAINE S. PHILLIPS Personnel Management Specialist		Information for Employees. The standards, and information on their application, are available in the personnel office. The classification of the position may be reviewed and corrected by the agency or the U.S. Office of Personnel Management. Information on classification/job grading appeals, and complaints on exemption from FLSA, is available from the personnel office or the U.S. Office of Personnel Management.	
Signature	Date		
	10-11-94		

23. Position Review	Initials	Date	Initials	Date	Initials	Date	Initials	Date	Initials	Date
a. Employee (optional)										
b. Supervisor										
c. Classifier	AP	10-6-94								

2. Position is at the full performance level. BUS:7777

25. Description of Major Duties and Responsibilities (See Attached)

SAFETY ENGINEER
GS-0803-13

INTRODUCTION

Serves as a Safety Engineer responsible for providing professional engineering advice, guidance and assistance in the overall management of the required system safety activities associated with simulation, instrumentation and training devices in their various stages of research, development, test, production and/or deployment.

MAJOR DUTIES

1. Exercises staff and technical supervision over all phases of the System Safety Program throughout the life cycle of assigned Command items/systems, associated subsystem and equipment by the application of scientific and management principles for the timely identification of hazards and initiation of those actions necessary to prevent or control hazards. In developing and implementing a fully coordinated System Safety Program, maintains cognizance of developmental programs, off-the-shelf procurements and alterations to items/systems, subsystems, and allied equipment. Formulates and executes all aspects of assigned programs, encompassing a variety of interrelated engineering disciplines including mechanical, electrical, electronic, industrial, and chemical engineering fields. Directs the development of new system safety criteria and standards and amends those which are not adequate. Serves as Command system safety engineering consultant and key technical advisor to all major Army commands, AMC subordinate commands and other Government and private organizations having safety interests.

30%

2. Maintains continuous surveillance over all phases of system safety engineering throughout the life cycle of assigned systems, providing advice, guidance and assistance on problem areas and develops and implements corrective action in the form of new policy, directives, improved methods and procedures which impact the world-wide community of STRICOM systems/equipment. Reviews and evaluates engineering concepts, technical characteristics, contract technical scope of work, contractor's proposal and results of tests on various systems. Analyzes accident and incident reports and accident/failure trends of indications of hazards inherent in system design. Insures that safe transportation and disposal procedures are generated early in the development cycle of hazardous materials and that necessary cautions and safety maintenance/operating procedures are included in equipment publications. Reviews and evaluates the following: safety statements prior to test, contractor prepared system safety data, type classification actions, safety suitability statements prior to equipment release, coordinated test programs,

safety evaluations prior to procurement data release, and all safety related engineering change proposals, equipment performance reports, and equipment improvement recommendations. Provides necessary safety engineering/management inputs to equipment specifications, required operational capability documents, development plans, solicitation documents, new materiel introductory letters system assessments, new equipment training courses, hazardous items contracts and design reviews. Serves as the Command safety representative for technical reviews of multiple STRICOM systems. Serves on various boards, teams, and committees relative to general management of system projects and programs, recommending and/or acting on proposals having impact on Command policy, other Command operations and private industry. 30%

3. Coordinates advice and assistance to contractors regarding hazardous item contracts negotiated by the command. This includes identification of specific hazards in procurement packages, preparation of contract clauses, formulation of plans for safety qualification of hazardous items, performance of pre-award and/or routine safety surveys of contractor's plants. 25%

4. Assures environmental engineering is addressed as part of system safety assessment for the materiel release of all assigned programs. Coordinates the development and implementation of controls for potential environmental, safety and health hazards associated with STRICOM commodities during their life cycle, including development, testing, use, storage, handling, transportation and disposal. Coordinates the implementation of the Health Hazard Assessment program, and assists in the development of controls for such potential health hazards as toxic gases and chemicals, noise, nonionizing radiation and lasers. 5%

5. Maintains a liaison, coordinates and serves as a principle representative at high level meetings with representatives of AMC, DA, DoD and other Commands. Discusses and contributes to the formulation of plans, policies and procedures, exchanges information and provides technical advice and assistance in resolving the more controversial matters arising, with delegated authority to commit the Command on programs, policies and efforts in any area of assigned responsibilities. Serves as a Command representative for the Joint Service Safety Conference (JSSC) and AMC System Safety Action Committee. Keeps abreast of current developments in safety and health through reviewing technical reports and publications and participation in technical and scientific symposia and conferences. Remains constantly on the alert for new developments, techniques and methods which may be advantageously incorporated into assigned programs. 10%

Performs other duties as assigned.

FACTOR 1. KNOWLEDGE REQUIRED BY THE POSITION

In-depth knowledge of safety and systems engineering concepts, principles and theories for complex military systems. Knowledge of safety principles, standards, practices and analytical techniques. Knowledge of higher mathematics, physics, chemistry and engineering theories, methods and techniques. Ability to evaluate proposed occupational safety policies, guidelines and standards to determine their consistency with accepted engineering and recommend technical changes as needed.

FACTOR 2. SUPERVISORY CONTROLS

Supervisor establishes broad policy and program objectives; relies upon the incumbent for the technical development of assignments and performs or reviews work for attainment of objectives and conformance with policies. Working independently in accordance with program guidelines; incumbent analyses system safety, environmental and health hazard assessment problems, and determines course of action based entirely upon own knowledge and initiative. Incumbent has the authority to make decisions and commitments on technical aspects of assigned programs. Completed work is reviewed in terms of effectiveness of program performance, attainment of objectives and soundness of judgement and results.

FACTOR 3. GUIDELINES

Program guidelines are available and provide some general direction for implementation, but the engineer may have to make adaptations to eliminate or control hazardous conditions resulting from human error, equipment and machine operations which may lead to injury to persons and damage to property.

FACTOR 4. COMPLEXITY

Simulation, instrumentation and training devices programs involve advising and assisting in the development or evaluation of safety and health hazard assessment requirements for proposed designs, methods and procedures for technical conformance with engineering criteria to eliminate or control hazardous conditions resulting from human error, equipment and machine operation which may lead to injury to persons and damage to property. Programs often involve the development of specialized safe standards, policies and control measures by the application of safety engineering principles to the newest and sophisticated hardware, software and electronic technologies associated with simulation, instrumentation and training devices/equipment which require departing from past approaches and practices.

FACTOR 5. SCOPE AND EFFECT

The professional expertise provided by the engineer affects the overall safety program of the Command for the elimination or control of hazardous conditions resulting from human error, equipment and machine operations which may lead to injury to persons and damage to property.

FACTOR 6. PERSONAL CONTACTS

Contacts are coworkers, technical community within other government and private organizations, and contractor personnel to obtain all viewpoints regarding safety practices.

FACTOR 7. PURPOSE OF CONTACTS

Contact are made with coworkers at STRICOM and other government/private organizations having safety interests, for exchange of information on safety practices and policies, and evaluation and test procedures applicable to specific hazards; and with contractors on safety and health hazard assessment requirements, government evaluation procedures and test methodology, or development of hardware, software or electronic safety requirements based on system safety hazard analyses, health hazard assessment/studies and failure mode analyses of such factors as electrical/electronic safety, mechanical hazards, laser radiation, human/machine stress, hazardous materials, explosive safety, fatigue, stability, design of protective equipment and safety devices.

FACTOR 8. PHYSICAL DEMANDS

There are no special physical requirements necessary in order to accomplish this job.

FACTOR 9. WORK ENVIRONMENT

Majority of the work is performed in an office setting. Inspections are performed at contractor facilities. Duties of this position require the incumbent to periodically travel to world-wide locations.

NON-CRITICAL ACQUISITION POSITION AMENDMENT TO PD# 09341

"The employee must meet DoD 5000.52-M requirements applicable to the duties of the position."